



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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No. १७]

NEW DELHI, SATURDAY, APRIL 22, 1972 (VAISAKHA 2, 1894)

इस भाग में मिशन पृष्ठ संख्या दो जाती है जिससे कि यह अलग संकलन के इप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड २

## PART III—SECTION 2

पेटेंट व डिजाइन द्वारा जारी की, गई पेटेंटों और डिजाइनों से संबंधित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

## THE PATENT OFFICE

## Patents and Designs

Calcutta, the 22nd April 1972

## SPECIAL NOTICE

The following notification published in the Gazette of India, Part III, Section 3(ii) dated the 18th September 1971 at page 4864 is reproduced below:—

## MINISTRY OF INDUSTRIAL DEVELOPMENT

New Delhi, the 24th August 1971

## NOTIFICATION

File No. 33(43)-SP&D/69.—S.O. 3496 in exercise of the powers conferred by section 72 of the Indian Patents and Designs Act, 1911 (2 of 1911) the Central Government hereby appoints the Director, Central Fuel Institute, District Dhanbad, Bihar, as an authority for the purpose of the said section, and made the following further amendment in the notification of the Government of India in the late Ministry of Commerce and Industry No. S.R.O. 681, dated the 23rd March 1955 namely:—

In the said notification after item (41) and the entry relating thereto, the following item and entry shall be inserted, namely:—

“(42) The Director,  
Central Fuel Research Institute,  
Fuel Research Institute, P.O.  
Distt. Dhanbad,  
Bihar.”

HARGUNDAS, Under Secy.

## CORRIGENDUM

The Gazette of India, Part III, Section 2, dated the 27th November 1971 in page 438, Column 2 under the heading “Applications Accepted”:

for number 125692  
read number 126692

1—37GI/72

## Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

1st April 1972

135117. Hindustan Lever Limited. Fat. (2nd April, 1971).  
135118. Joseph Lucas (Industries) Limited. Full-wave rectifier assemblies. (13th May, 1971).  
135119. Abbott Laboratories. 6, 9-oxygen bridged erythromycin derivatives.  
135120. Imperial Chemical Industries Limited. New azo dye-stuffs. (18th May, 1971).  
135121. V. Ramachandran. A paper clip.  
135122. G. D. Scarle & Co. An instrument for applying intra-uterine device. [Divisional date 7th January, 1971].  
135123. J. & P. Coats, Limited. Process and apparatus for producing dyed and cleaned material. (3rd April 1971).  
135124. Snam Progetti S.p.A. A process for the preparation of oxidation catalysts and catalysts obtained thereby.  
135125. Cassella Farbwerke Mainkur Aktiengesellschaft. New ketone derivatives and processes for their preparation.  
135126. M. I. Frenkel. Direct-flow cylindrical valve.  
135127. Lucas-Tvs Limited. A device for cleaning oxidized electrical contacts.

3rd April 1972

135128. Saint-Cobain. A method and apparatus for the manufacture of fibres from molten thermoplastic material.  
135129. Unilever Limited. Blue cheese flavour.  
135130. Unilever Limited. Cheese flavour (amines).

135131. Dunlop Holdings Limited. Pneumatic tyres. (7th April, 1971). [Addition to No. 115122].

135132. Vereinigte Aluminium-Werke Aktiengesellschaft. Method of and apparatus for continuously digesting bauxite. (10th February 1972).

135133. Inventor Ab Opc. Container for the mouldering or organic waste.

135134. Laporte Industries Limited. Improvements in and relating to the beneficiation of ilmenite ores. (5th April 1971).

135135. Nestle's Products Limited. Food product.

135136. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 1, 5-benzodiazepines and process for preparing them.

135137. The National Cash Register Company. Record sheet material.

135138. The National Cash Register Company. Record sheet material.

135139. Rhone-Progil. A process for bulk polymerising vinyl chloride or vinyl chloride and another monomer.

135140. N. V. Philips Gloeilampenfabrieken. Solid state imaging device with fet sensor.

135141. G. P. S. Walla. Additional filament fluorescent tube and bulbs (repairing).

135142. Jagdish Chandra Sharma. Non-reciprocating rotary diesel engine.

135143. Y. R. Desai. Multi-deck multi-contact solid state electronic switch.

4th April 1972

135144. Council of Scientific and Industrial Research. A new process for the manufacture of paraffin wax from slack wax.

135145. Council of Scientific and Industrial Research. Improvements in or relating to printing dots or such other patterns on the semiconductor materials such as silicon, germanium or microscopic glass slides or ceramic.

135146. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of a multiple-probe-head for measuring resistivity.

135147. Council of Scientific and Industrial Research. Improvements in or relating to electropolishing mild steel.

135148. Kishore Mallya. Moving vane four cycle internal combustion engine.

135149. Norton Villiers Limited. Loop driven vehicles. (6th April, 1971).

135150. Sherritt Gordon Mines Limited. Method for reduction roasting nickeliferous laterite ores. (3rd May, 1971).

135151. Uss Engineers and Consultants, Inc. Operating mechanism and method for slidablegate closures. [Addition to No. 132832].

135152. Celanese Corporation. Aminoplast material and use thereof in alkyl resin coating compositions.

135153. Unilever Limited. Cheese flavour (amino acids).

135154. Sandoz Ltd. Improvements in or relating to organic compounds.

135155. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of shaped articles from polyamides.

135156. Cassella Farbewerke Malskun Aktiengesellschaft. Hydroxy-pyridonemonosulfonic acids.

135157. Ciba-Geigy Ag. New acid nitro dyestuffs, their manufacture and use.

135158. Thorn Electrical Industries Limited. Panel mounting of electrical components. (29th April 1971).

135159. The Metal Box Company Limited. Improvements in lids for circular containers. (5th May 1971).

135160. Schweizerische Isola-Werke. Lapping tape for insulating electrical machinery.

135161. Ciba of India Limited. Process for the manufacture of new five-membered thiaza compounds.

135162. Standard Brands Incorporated. Method of refining fructos containing solution.

135163. M. Schmidt. Improvements in and relating to honeycombs.

135164. Gould Inc. Tire bead sealing and seating device.

135165. Texaco Trinidad Inc. Hydrocarbon Separation process.

135166. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Emulsifiers.

135167. Parks-Cramer Company. Travelling pneumatic cleaner and method.

135168. Maschinenfabrik Zell J. Kruckels Kg. Winding machine.

135169. The K.C.P. Limited. Self-locking pneumatic device.

135170. National Institute of Design. Type faces for printing and typing devanagri and like scripts.

5th April 1972

135171. M. Ross, M. E. Shafer, J. B. Adair and D. L. Mossman. A clothespin receptacle.

135172. R. H. Agrawal. Air cooler cum drinking water cooler.

135173. R. H. Agrawal. Motor vehicle air cooler.

135174. H. A. J. Chapman. A gravity assisted conveyor system.

135175. Vidhu Bhushan. Pilfer proof cap for bottles.

135176. McNeil Corporation. Tyre cure programmer and function generator.

135177. Uss Engineers and Consultants, Inc. Method of and apparatus for opening a nozzle on a hot metal containing vessel.

135178. Repharmac A.G. Process for the industrial preparation of desoxyribonucleic acids of high molecular weight.

135179. Sherritt Gordon Mines Limited. Removal of dust particles from a dust laden stream of gases exiting from a multiple hearth furnace and reinjection of the dust particles into the furnace. (3rd May, 1971).

135180. Wells Manufacturing Corporation. Portable power-driven harvesting implement.

135181. Ireco Chemicals. Explosive compositions containing calcium nitrate.

135182. Ireco Chemicals. Explosive compositions containing guar gum derivative.

6th April 1972

135183. The Fertilizer Corporation of India Limited. An electric furnace in combination with heat control device.

135184. Lipha, Lyonnaise Industrielle Pharmaceutique. New amino alcohols derived from ortho trans-hydroxy-cinnamic acids, their esters and their amides.

135185. Societe des Mines et Fonderies de Zinc de la Vieille Montagne, Societe Anonyme. Method of preparing a pigment on an iron oxide base.

135186. Use Engineers and Consultants, Inc. Mechanism for supporting a submerged pouring tube on a bottom-pour vessel and method of replacing tubes.

135187. The Firestone Tire & Rubber Company. Apparatus for mixing and forwarding a flowable material. [Addition to No. 129495].

135188. H. D. V. Leeuwen. Cooling device. (14th April, 1971).

135189. R. C. Glicksberg. Sound-amplitude limiters (ear aids).

135190. Siemens Aktiengesellschaft. Improvements in or relating to data transmission systems (21st December 1971).

135191. *Licentia Patent-Verwaltungs-G.m.b.H.* An apparatus for analysing particles suspended in a liquid. (1st March 1972).

135192. *R. R. Chopra* Beverage dispenser.

135193. *N. Subbayyan*. Improvements in or relating to the elespray power sprayer used for spraying operations.

7th April 1972

135194. *M. D. Patil*. Thermoelectrical converter.

135195. *Vereinigte Aluminium-Werke Aktiengesellschaft*. Apparatus for continuously extracting bauxite. (10th February, 1972).

135196. *Solvay & Cie.* Improvements in and relating to the sequestration of metal ions by use of poly- $\alpha$ -hydroxyacrylates and the derivatives thereof.

135197. *Colgate-Palmolive Company*. Clear dentifrice.

135198. *Wilkinson Sword Limited*. Improvements in razor blades. (13th April, 1971).

135199. *Diamond Shamrock Corporation*. Ketoxime Carbamates.

135200. *F. L. Smith & Co. A/S*. Coolers for rotary kilns. (8th April 1971).

135201. *The Offshore Company*. Drilling platform. [Divisional date 26th November, 1970].

135202. *Pitman-Moore, Inc.* Method and composition for the diagnosis of equine infectious anaemia virus infection by using agar-gel-immunodiffusion reaction.

135203. *Institutul De Mecanica Fluidelor Si Construtii Aerospaiale*. Device and equipment for the aerial spreading of solid materials, such as powders, granules, seeds.

135204. *Pennwalt Corporation*. Purification of gaseous hydrogen chloride.

135205. *P. K. C. Pillai and S. K. Arya*. Process.

135206. *P. K. C. Pillai and S. K. Arya*. Composition.

135207. *P. K. C. Pillai and S. K. Arya*. Process.

135208. *P. K. C. Pillai and S. K. Arya*. Composition.

135209. *P. K. C. Pillai and S. K. Arya*. Process.

135210. *V. S. Satyanarayana*. Shock control device.

#### Alteration of Date

128701. The claim to priority date 21st September 1970 has been disallowed and the application dated as of 5th October 1970, the date of filing in India.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

126367. *Uss Engineers and Consultants, Inc.* Apparatus for and method of protecting a sheet being electro-

plated with a metal. Accepted on 8th February 1972.

*Comprising protecting surface of the sheet contacting the rotatable drum and including steps of reactivating the withdrawn electrolyte and adding same to circulating electrolyte, forming a protective fluid compatible with circulating fluid, and applying protective fluid to drum-contacting surface of the sheet at exist and entry bites.*

127240. *Gour Kumar Dutta*. Improved check valve. Accepted on 24th March 1972.

*Comprising short piece of pipe, hinge post and hinged assembly, flexible scaling member are, valve plate, clamp plate and fastener, butterfly assembly fixed with hinged post by a clamp post and pin.*

127291. *Central Machine Tool Institute*. Speed sensing and braking unit for induction motor. Speed sensing and braking unit for induction motor. Accepted on 27th March 1972.

*Comprising an electromagnetic pick up, the voltage generated being proportional to motor shaft speed and an electronic circuit for processing the output to operate a P. C. relay to switch off power to the motor.*

127343. *Shrimati Sabita Gupta and Shrimati Sunanda Banerjee*. D. C. Electro-Magnetic Contactor. Accepted on 1st April 1972.

*Comprising steel frame armatures mild steel core, moving contact assembly fitted to the armature through insulating plate, pair of fixed contacts, operating solenoid and blow-out coil.*

127366. *Metallurgical Processes Limited and Imperial Smelting Corporation (N. S. C.) Limited*. Improvements in or relating to condensation of metal vapour. Accepted on 3rd April 1972.

*Comprising an impeller for rotation around a vertical axis and having at least two impeller arms at least one of which differs in length from at least one other.*

127370. *Kumiai Chemical Industry Co., Ltd.* Novel O-substituted alkyl O, O-di-(substituted phenyl) phosphates process for preparing same and fungicidal, insecticidal and miticidal compositions containing the same. Accepted on 1st April 1972.

*Comprises reacting the appropriately substituted alkyl dichlorophosphate with a suitably substituted or unsubstituted phenol or its alkali metal salt.*

127398. *M. Prasad & Company*. A plant for producing cleaned hemp materials from hemp wastes and old hemp rope cuttings. Accepted on 4th April 1972.

*Comprises a cutting machine for chopping raw materials, a first tank having mixing and breaking means and a second tank for washing the pulp of hemp fibres.*

127416. *Imperial Chemical Industries Limited*. Baseplate assembly for mercury-cathode cell. (22nd July 1969). Accepted on 29th March 1972.

*Comprising a steel plate and a current extractor plate, said plates being parallel and spaced apart by aluminium studs one end of which is friction welded to steel plate and other end electrically connected to current extractor plate.*

127420. *Carborundum Universal Ltd.* A grinding and/or polishing attachment device. Accepted on 29th March 1972.

*Comprising a stub support arm, a clamp fixed to one end of the arm support, the other end supports a spindle having an idler pulley mounted on one end to carry endless belt driven by the drive wheel.*

127421. Treadwell Corporation. Improved internal combustion engine cycle. Accepted on 5th April 1972.  
*Comprises means for compressing air externally, of engine cooling means to produce compressed air at a predetermined temperature, inlet valve means, cylinder exhaust valve means, heat exchanging means, a second cylinder inlet valve means, means for introducing and burning it, a second cylinder exhaust means.*

127450. RCA Corporation. Method of making duplicates of optical or sound recordings. Accepted on 5th April 1972.  
*Characterised by sensitizing and activating surface to form nuclei on an activating metal thereon chemically, depositing nickel or cobalt on activated surface by autocatalytic chemical plating from a bath containing a complex agent and operating at substantially room temperature backing up nickel or cobalt deposit to provide strength separating the assembly at the interface between the activated surface and nickel or cobalt deposit whereby a negative replica of relief pattern is exposed at the metal surface.*

127486. Imperial Chemical Industries Limited. Method of recovering amines or amine salts from hydrogen halide amine salts. (24th July 1969). Accepted on 5th April 1972.  
*A process for removing a hydrogen halide from a salt of a water insoluble amine and a hydrogen halide which comprises the steps of adding to the salt a second water soluble acid and to form a salt of the water insoluble amine with the second acid and a hydrogen halide and then removing the hydrogen halide by distillation or by solvent extraction.*

127491. Centre Stephanois de Recherches Mecaniques Hydro-mecanique et Frottement, and Compagnie des Forges et Ateliers de la Loire, Saint-Chamond, Firminy, Saint-Etienne, Jacob Holtzer C. A. F. L. A process and apparatus for decorticating solid porous bodies. Accepted on 5th April 1972.  
*Pressure resisting vessel containing the bodies to be decorticating is fed by a gas, the pressure of which is varied in a cyclic manner, whereafter pressure fall is effected by a quick-opening and large capacity valve.*

127543. Gec—Hellas The General Enterprises Corp. (Hellas) Ltd. A method and apparatus for the production of helical/spiral tubes made of plastic material. Accepted on 30th March 1972.  
*Two or more tapes of semirigid plastic material of 'S' shaped cross-section are spirally formed making an envelope and encasing this initial envelope on to a tube of soft thermoplastic material.*

127732. Dentoria. Novel dental cement and process for its preparation. Accepted on 29th March 1972.  
*Wherein a proportion of from 0.1 to 1% of a fluorinated salt is introduced into the formula of the cement.*

127960. Gould Inc. Methods of and means for casting battery plates. Accepted on 29th March 1972.  
*Comprising dipping the connecting lugs of the battery plates into a solder bath prior to casting.*

128036. Tractel S. A. Safety device associated with a winch actuating a hoisting cable. Accepted on 29th March 1972.  
*Having manual control member lockable in closed-clamp position by a sliding member rigid with the winch and actuatable to open the clamp only when the winch is closely adjacent to the safety device and therefore capable of holding the load.*

128063. J. Martin. Improvements in or relating to mechanism for the emergency opening or jettisoning of the hoods or canopies of vehicles. (13th October 1969). Accepted on 1st April 1972.  
*Comprising release means for unlocking at least a part of the canopy from a vehicle and at least one primary rocket motor to thrust the canopy in a direction away from its normal position.*

128239. Palite Project-Company G. m. b. H. Spindle drive assembly for a spinning or twisting machine. Accepted on 5th April 1972.  
*The tension rollers are movable from their spindle whorls thereby slowing down the spindle rotors only to such an extent that one side of the drive belt still tangentially contacts the respective spindle whorl, and only a narrow centre section of the other side of the belt, contacts with respective tension roller.*

128317. Kunlai Chemical Industry Co., Ltd. Bactericidal composition for agriculture and horticulture and method of using these compositions. Accepted on 4th April 1972.  
*Comprises as an active ingredient 2-formamino-1, 3, 4 thiadiazole and conventional carriers therefor.*

128566. Shell Internationale Research Maatschappij N. V. A process for the removal of solid particles from an aqueous suspension thereof and an apparatus therefor. Accepted on 22nd December 1971.  
*Characterised in adding water immiscible auxiliary liquid in two stages (a) minor part in mixing stage and imparting turbulent motion and (b) major part to mixture agglomerates formed in water above in (a) separating stage.*

128651. Cluett, Peabody & Co., Inc. Method and apparatus for mixing ammonia with non-volatile materials. Accepted on 29th March 1972.  
*Comprises feeding liquid ammonia into an insulated vessel, lowering the vessel temperature by volatilizing and applying a coolant, adding non-volatile material containing feeding of liquid ammonia and maintaining the level, agitating the liquid ammonia and non-volatile material to form a mixture, introducing the mixture to a trough in a cabinet, impregnating the fabric and connecting the cabinet with the vessel.*

128690. Jitendra Nath Das. Dispensing device. Accepted on 5th April 1972.  
*Comprising a base plate having at least three holes, a cylinder closed at one end being placed over said base plate the closed end of the cylinder also having at least one hole, and another hole located at the centre of an imaginary circle, said base plate itself being adapted to be fitted to the mouth of a container containing a liquid one of the said three holes being connected through a tube to a delivery tube, a piston having a central hole sliding within the cylinder.*

128701. British Steel Corporation. Method of producing a coated ferrous substrate. [Addition to No. 128635]. Accepted on 1st April 1972.  
*Withdrawing the coated substrate from a bath of coatant and directing particles of metallic iron or iron based alloy onto the coated substrate, before the molten coatant thereon solidifies.*

128704. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the manufacture of novel crocetin esters. Accepted on 30th March 1972.  
*4, 9-dimethyl-dodeca-2, 6, 8, 10-pentaene-1, 12-dial is condensed with a phosphorane.*

128712. Imperial Chemical Industries Limited. A pneumatic device for forwarding filamentary material. (10th October 1969). Accepted on 6th April 1972.

*The forwarding device comprising two separable sections to firmly abut along a plane passing through the internal passageway, means for separating said sections and means to cause close abutment of said sections.*

128783. Joseph Lucas (Industries) Limited. Battery plate grids. (13th October 1969). Accepted on 5th April 1972.

*Includes the steps of applying a conductive layer into a mould, placing a conductive battery plate lug with an extension into the mould, filling the remaining mould portion with resin, heating to cause resin particles to adhere forming a non-porous grid and removing grid from the mould.*

128824. H. D. Sanjana. Improvements in or relating to a device and method for manufacturing plastic sheathed umbrella rod, walking stick furniture leg and the like. Accepted on 4th April 1972.

*Comprises forming a tubular plastic pouch by seam welding longitudinal sides and cutting, inserting therein a tubular tapering metallic member consisting of two half round members and expanding bore of the pouch by inserting a tapering wooden wedge between said metallic members, removing said members and inserting the article to be provided with plastic sheath therein, followed by cooling and cutting to desired size.*

128833. Kabel-Und Metallwerke Gutchoffnungshutte Aktiengesellschaft. Continuous casting mould for casting metal, particularly steel. Accepted on 30th March 1972.

*In which walls defining mould cavity are provided with insert of a material having thermal conductivity lower than that of the wall material.*

128865. Eduard Kusters Maschinenfabrik. Roller for use in apparatus for the squeezing of liquid from textile webs, paper webs and the like. Accepted on 5th April 1972.

*The roller periphery is formed as a coating of less than 5 mm. wall thickness applied to a roller body.*

128878. Industries Onderneming Wavin N. V. A method and a device for deforming a plastic tube and providing same with one or more inner grooves. Accepted on 1st April 1972.

*Relating to deforming a plastic pipe whilst providing at least one or more grooves, consisting in that around the pipe part to be deformed a divided hollow die is provided and the pipe is looted and the hollow die is removed.*

129073. Jefferson Chemical Company, Inc. Thermal and catalytic hydrocarbon cracking process and catalytic dehydrogenation process. Accepted on 1st April 1972.

*Characterised in that alkali metal salt solution is introduced at a point downstream of furnace zone of process.*

129112. Joseph Lucas (Industries) Limited. Electromagnets. (10th November 1969). Accepted on 1st April 1972.

*Comprising a pole piece in the form of a plurality of convolutions of a mild steel strip and an electrical winding in the form of a plurality of convolutions of a strip of conductive tape, each of convolutions of conductive tape being interposed between adjacent convolutions of mild steel strip and the conductive tape being insulated from the mild steel strip.*

129120. The Wheelabrator Corporation. Centrifugal blasting wheel and blade therefor. Accepted on 30th March 1972.

*A plurality of spaced radially extending blades extending from central opening for propelling the particulate material tangentially to the axis of rotation of rotor, each blade is provided with a propelling surface for engaging the particulate material.*

129163. Imperial Chemical Industries Limited. Process for the production of striped colourations on dyeable substrates in continuous or sheet form and an apparatus therefor. (13th November 1969). Accepted on 29th March 1972.

*By applying a plurality of dyestuff solutions to the substrate at selected fixed points across the width thereof while the substrate is moved in a longitudinal manner, passing the substrate between nip rollers and subsequently treated to fix the dye thereon.*

129174. Mitsubishi Jukogyo Kabushiki Kaisha. Hydraulically loaded rolling mills. Accepted on 1st April 1972.

*Comprises a pair of working rolls, with or without a pair of back up rolls with bearing assemblies inside a housing, hydraulically loaded cylinder means, a control valve, a measuring means for measuring a change in roll gap.*

129297. Shell Internationale Research Maatschappij N. V. Process for the preparation of dimethyl 1-methyl-2-(methylcarbamoyl) vinyl phosphate. Accepted on 1st April 1972.

*Comprises reacting trimethyl phosphite with 2-chloro-N-methyl acetoacetamide in presence of a polyhalogenated lower alkane solvent.*

129499. Manchar Industries. A prefabricated structure for use in diverting water particularly in irrigation system. Accepted on 30th January 1972.

*Comprising a storage tank having a passage in each of its four walls, a shutter for each of the passages in three walls, a pair of angle shaped walls at the outside of each of the three walls and one on either side of the passage, and a pair of diverging walls on either side of the passage at the outside of the fourth wall.*

129521. Joseph Lucas (Industries) Limited. Lamp failure warning circuits for road vehicles. (19th December 1969). Accepted on 28th March 1972.

*Comprising first and second transistors lighting switch, lamp, means to contact second transistor the same current as first transistor when lamp fails and circuit for holding warning means.*

129568. Shell Internationale Research Maatschappij N. V. Ethylene polymerization in the presence of complex nickel catalysts containing benzoic acid derivative ligands. Accepted on 3rd April 1972.

*Comprises polymerizing ethylene at a temperature of 25 to 250°C in the presence of a catalyst which is the product of the reaction of (a) a nickel compound in complex with olifinically unsaturated compound with (b) a benzoic acid derivative.*

129666. P. V. Hattangdi. Anti bar device for looms with warpstop motion. Accepted on 6th April 1972.

*Characterized in that it comprises in combination a grooved sliding lever with fulcrum at one end supporting a bracket holding a knocking off rod of a warpstop motion.*

129912. Fibreglass Limited. Binder composition suitable for binding glass fibres and bonded product thereof. (19th January 1970). Accepted on 29th March 1972.

*Comprises a water soluble resin, urea and an ammonium lignosulphonate.*

130045. Sandoz Ltd. Sparingly soluble azo compounds, process for their preparation and plastics, synthetic resins and fibres, mass pigmented therewith. Accepted on 3rd April 1972.

*Diazotizing 2 or 3 substituted 5 phenoxy carboxyl or sulphonyl aniline and coupling the product with substituted 1,4-Bis (autoacetyl amino) benzene.*

130361. Imperial Chemical Industries Limited. Process and apparatus for cooling extruded tubing. (3rd March 1970). Accepted on 6th April 1972.  
*Passing an extruded tube over a cooling mandrel, supplying a cooling liquid between the mandrel and the tube, maintaining a head of liquid capable of exerting pressure on said film of liquid and withdrawing the liquid from said head.*

130415. Rhone-Poulenc S. A. Anisotropic organosilicon polymer, membrane process for preparing a said membrane and a method of enriching at least one component of a gas mixture comprising at least two of oxygen nitrogen hydrogen, carbon dioxide, helium, methane and carbon dioxide. Accepted on 3rd April 1972.  
*A ternary mixture comprising vinyltriorganosilane polymer two solvents the boiling point of which differ at least by 30° and a non-solvent is cast into a support, more volatile solvent is partially removed the resulting film is treated with a non-solvent liquid and the film is dried.*

130422. N. V. Philips Gloeilampenfabrieken. Method of manufacturing a semiconductor device and a reactor therefor. Accepted on 1st April 1972.  
*Comprising that the elongated in which the process is performed exhibits a decreasing sectional area viewed in the direction of the gas stream.*

130500. S. Fischer. Devices for the manufacture of hollow bodies out of thermoplastic synthetic materials. Accepted on 6th April 1972.  
*There is provided a drive element which acts directly on control elements controlling the opening and closing movement of the mould halves and which with the help of intermediate devices, takes along in one or the opposite direction a support for the said mould halves.*

130577. Standard Telephones and Cables Limited. A method of, and an apparatus for, marking an electrical conductor. [Addition to No. 126299]. Accepted on 6th April 1972.  
*Comprising a nozzle, means for pumping ink through the nozzle, an electro-dynamical ink deflection system and an annular electrode.*

130586. N. V. Philips Gloeilampenfabrieken. Cathode-Ray tube. Accepted on 6th April 1972.  
*Characterised in that an astigmatic lens element is present in the electron gun in the region of the second and the third grid.*

130669. Triatek International AG fur Textile Forschung Und Entwicklung. Method and apparatus for finishing cellulose-containing textile materials and textile materials thus produced. Accepted on 6th April 1972.  
*Comprising the steps of providing textile material which is to be treated, applying to such textile material one treatment bath with one finishing agent, controlling the amount of treatment bath and then partially drying the treated textile material.*

130694. S. Y. Rubinshtein, M. A. Babin, A. L. Gutman, V. A. Presman, M. K. Razumovsky and N. G. Shabunya. Exhaust noise machine of I. C. engine. Accepted on 3rd April 1972.  
*Comprises a shell partitioned inside into chambers and produced with gas inlet and outlet pipes, a perforated tubular elements located inside said shell, at least two lateral baffles with vanes inclined towards them said vanes are in close proximity to said element.*

130790. Werkzeugmaschinenfabrik Oerlikon-Bührle AG. Automatic load dependent compressed air brake system. [Addition to No. 123244]. Accepted on 4th April 1972.  
*Comprises a control valve, a load brake cylinder and an unload brake cylinder, a pressure transmitter, said cylinders act on a linkage to operate a brack block. A pressure limiting valve controls the charging of the load compensating brake cylinder irrespective of the load on the vehicle, and means controllable by the pressure in the unloaden brake cylinder for relieving the load brake cylinder.*

130817. SKF Kugellagerfabriken GMBH. Bearing unit for spinning rotors. Accepted on 30th March 1972.  
*The jacket of the bearing housing is provided with a radial opening that is closed by a covering member made out of a rubber elastic metal.*

131061. Gosudarstvenny Vsesojuzny Institut Po Proektirovaniyu Predprlyaty Koxxokhimiicheskoi Promyshlennosti. Horizontal coke oven. Accepted on 30th March 1972.  
*Within the hearth flue in the section of input of the heating gas into this flue there is formed a chamber adjacent to the two regenerators which are the first as viewed in the direction of the heating gas flow.*

131091. Gosudarstvenny Ordona Trudovogo Krasnogo Znameni Vsesojuzny Proektny I Nauchno-Issledovatel'sky Institut Isementnnoi Promyshlennosti. Aerating bottom of silo tower for mixing powdered materials. Accepted on 30th March 1972.  
*Transverse partitions are arranged across each air distributing box and forming a number of isolated compartments, perforated pipes for feeding compressed air, each passing through the compartments inside the air distributing box.*

131094. Zellweger Limited. Automatic electronic controller and a textile machine incorporating the same. (19th April 1971). Accepted on 5th April 1972.  
*Incorporating a circuit having a temperature detector arranged to produce by the movement of textile material of change in the output signal in the circuit through the change in temperature of the temperature detector by motion of atmosphere surrounding it, and/or by contact between the textile material and temperature detector.*

131112. Lansing Bognall Limited. Improvements in pedestrian operated industrial trucks. (4th May 1970). Accepted on 1st April 1972.  
*Comprising a reversible driving motor controlled by control means coupled with connecting linkage by a releasable connection, a displacable element to release said connection allowing the linkage to return to the neutral condition thereby stopping the truck.*

131421. Uralsky Zavod Tyazhelogo Mashinostroenia, Imeni S. Ordzhonikidze. An apparatus for guiding an ingot in the secondary cooling area of a continuous metal casting plant. Accepted on 30th March 1972.  
*Comprising a plurality of rotatable rollers arranged in two parallel opposing series, at least one roller in each of acid two series carrying a tool for scraping surfaces of ingot.*

131480. N. V. Philips Gloeilampenfabrieken. Method of manufacturing a semiconductor device and semiconductor device manufactured according to the method. Accepted on 5th April 1972.  
*An impurity is diffused in the silicon body to obtain a channel stopper which is present below the inset silicon oxide layer adjoins the source and drain zones and has a higher doping concentration than the adjoining part of the silicon body.*

131515. National-Standard Company. A method of, and an apparatus for, heat treating an elongated component. [Addition to No. 125117]. Accepted on 1st April 1972.

*Comprises furnace means having reducing and sintering means for the elongated component, forming means, conveyor means, and supporting means for the conveyor means for supporting the elongated component in a sinuous configuration.*

131540. Varta Aktiengesellschaft. A block-type casing for a multicell storage battery or accumulator Accepted on 4th April 1972.

*Comprises a cover and a housing each provided with cell partitions whose edges are flush with the outer border, the edges of the cell partitions of the cover and/or of the housing being provided for at least a parts of their length with a rib the width of which exceeds the thickness of the cell partition.*

131725. Imhico AG. and Prof. Dr. Dr. K.-H. Imhausen. A polymerisation process and a polymerisation reactor for carrying out this process. Accepted on 1st April 1972.

*Polymerising thylene at 300 atoms pressure and at 400°C in presence of oxygen or one or more radical forming initiators and in presence of 20 mol % of a moderator.*

131852. Imperial Chemical Industries Limited. Method of stripping of coated titanium electrodes for re-coating. (26th June 1970). Accepted on 6th April 1972.

*Immersion electrode in molten bath of alkali metal hydroxide containing 0.1% by weight of alkali metal hydride and washing thereafter with water.*

132064. Orissa Cement Limited. Refractory bricks and lining kilns with said bricks. Accepted on 5th April 1972.

*Characterized in that the working face of the brick is tapered at two opposite sides thereby leaving a tapering gap between any two adjacent bricks and out of the remaining two sides of the bricks.*

132544. Clayton Dewandre Co., Ltd. Improvements in and relating to vehicle braking apparatus. Accepted on 1st April 1972.

*Whereby pressure fluid from the system displaces the outer diaphragm or piston to apply the brakes and simultaneously exerts a corresponding force on the other piston or diaphragm in the opposite direction.*

#### Opposition Proceedings

(1)

The application for patent No. 103681 made by Rayoneir Incorporated in respect of which an opposition was entered by the Gwallor Rayon Silk Mfg. (Wvg.) Company Ltd., as notified in Part III, Section 2 of the Gazette of India dated the 30th March 1968, has been refused.

(2)

An opposition has been entered by Shallimar Industries Private Ltd., to the grant of a patent on application No. 129703, made by M. L. Saria.

#### Appeal Proceedings

(Section 5)

An appeal to the Central Government has been filed by P. R. Batni and V. D. Hukerikar under Section 5 of the Indian Patents and Designs Act, 1911 in respect of an application for patent No. 124842.

#### Patents Sealed

121250 124326 124335 124338 124509 124614 124636 124656  
124660 124676 124689 124694 124788 124856 124879 124880  
124911 125038 125076 125129 125228 125233 125317 125337  
125474 125511 125512 125543 125576 125615 125741 125835  
125852 125905 125908 125057 126062 126082 126217 126252  
126324 126401 126492 126550 126657 126659 126696 126703

126716 126788 126818 126931 126981 126995 127058 127075  
127147 127211 127230 127387 127392 127423 127525 127717  
128100 128119 128312 128315 128369 128496 128556 128580  
128599 128670 128773 128848 129173 129213 129289 129381  
129798 129805 129929 129934.

#### Amendment Proceedings

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Parke, Davis & Company, a corporation organised under the laws of the State of Michigan and having their principal place of business located at Joseph Campau Avenue at the river, Detroit, Michigan, United States of America, seek leave to amend the description and claims in the specification of Patent No. 116246, (Title : Locking capsule). These amendments are materially different from what has been advertised on 22nd May 1971. Any person desirous of opposing the application for amendment should at any time with three months from the date of this Gazette give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

#### Renewal Fees Paid

60235 63612 63613 63634 63635 63715 63758 63979 63986  
64088 64185 66959 67311 67322 67324 67336 67603 67646  
67750 67815 67834 70270 70410 71261 71361 71364 71439  
71473 71574 71647 71742 71774 71825 71885 71894 71913  
71922 72178 72248 72272 72567 72787 72788 75837 76123  
76159 76162 76174 76176 76183 76195 76196 76293 76295  
76349 76471 76634 76641 76662 76762 76790 76815 76852  
76853 76861 76884 76894 76920 77033 77114 77882 81586  
81588 81601 81609 81612 81629 81645 81646 81648 81688  
81730 81771 81787 81806 81817 81819 81969 82230 82475  
82601 82646 82876 83528 83865 83369 87253 87290 87292  
87304 87323 87345 87365 87371 87379 87452 87510 87638  
87644 87685 87778 87890 87902 87927 88012 88112 88149  
88170 88528 93011 93047 93137 93141 93143 93150 93154  
93170 93199 93206 93220 93242 93367 93419 93485 93602  
93636 93641 93644 93662 93671 93673 93715 93790 93795  
93803 93986 94172 97351 97783 97991 98210 98542 98602  
98760 98811 98829 98851 98874 98880 98886 98905 98917  
989918 98922 98958 98990 99042 99056 99069 99089 99120  
99171 99188 99563 99642 99667 99785 100604 102765  
102840 104660 104706 104708 104726 104741 104742 104753  
104772 104773 104793 104811 104855 104923 104956 105026  
105031 105034 105090 105093 105117 105123 105202 105267  
105270 105313 105406 105424 105425 105461 105492 105672  
105772 105863 105897 105907 106067 106522 106712 106741  
106815 108995 109493 109494 109495 110033 110037 110053  
110116 110133 110137 110139 110171 110173 110175 110190  
110201 110212 110213 110231 110305 110373 110403 110550  
110578 110592 110652 110674 110703 110704 110709 110768  
111245 111311 111604 111726 111816 114461 114695 114930  
115252 115254 115258 115286 115287 115290 115300 115301  
115302 115307 115320 115333 115334 115335 115358 115393  
115394 115403 115413 115417 115453 115459 115497 115596  
115613 115614 115623 115686 115741 115856 115979 115983  
116127 116172 116260 116327 116372 116938 120718 120758  
121002 121197

#### Cessation of Patents

64701 64707 64708 64713 64714 64716 64721 64725 64726  
64729 64730 64731 64733 64734 64736 65878 67780 91794  
91795 91796 91797 91800 91803 91805

#### Restoration Proceedings

(1)

An order has been made on the 16th February 1972 restoring the patent No. 88215 dated as of the 14th May 1962 granted to

Gajjar Watch Company for "improvements in or relating to duplicating machine".

(2)

An order has been made on the 25th January 1972 restoring the Patent No. 102576 dated as of the 19th November 1965 granted to Rajiv Kumar Misra for "automatic machine for filling of road cracks with pitch".

(3)

An order has been made on the 9th February 1972 restoring the patent No. 107828 dated as of the 8th November 1966 granted to Rakhal Chandra Kar for "coke/cole fired smoke free fully controlled cooking appliance and the like".

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Indian Patents and Designs Act.

The dates shown in each entry is the date of registration of the designs including the entry.

Class 1. No. 138932. India Automobiles (1960) Ltd., a Company incorporated in India, 12, Govt. Place East, Calcutta-1, West Bengal, India, "Motor cars", August 25, 1971.

Class 1. No. 138938. Federation Internationale De Football Association, Hitzigweg 11, 8032 Zurich, Switzerland, An Organisation under the laws of Switzerland, "Trophy", August 26, 1971.

Class 1. No. 138972. Aarson Insulators, 9 UB, Jawahar Nagar, Delhi (an Indian Partnership Firm), "Pan", September 3, 1971.

Class 1. No. 139063. Swarn Kanta, wife of Shri Vijay Kumar Bassi, Bassi Cottage, Lajpat Rai Road, Hoshiarpur, Punjab State, Nationality Indian, "Valve", October 1, 1971.

Class 3. No. 138955. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse Bridge Base", September 2, 1971.

Class 3. No. 138961. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse bridge cover", September 2, 1971.

Class 3. No. 138962. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse Bridge", September 2, 1971.

Class 3. Nos. 139125 and 139131. Union Carbide India Limited, 1, Middleton Street, Calcutta 16, West Bengal, India, an Indian Company, "Liquid dispenser", November 3, 1971.

Class 3. No. 139132. Union Carbide India Limited, 1, Middleton Street, Calcutta-16, West Bengal, India, an Indian Company, "Ball point pen cum multiplicator", November 3, 1971.

Class 4. No. 138963. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse bridge base", September 2, 1971.

Class 4. No. 138964. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse bridge cover", September 2, 1971.

Class 4. No. 138965. Hindustan General Electrical Corporation Limited, Thapar House, 25, Brabourne Road, Calcutta-1, West Bengal, India, an Indian Company, "Fuse bridge", September 2, 1971.

Class 4. Nos. 138990 and 138991. Vinedale Distilleries Private Limited, "Nirmal" 3rd Floor, 241 Backba Reclamation Nariman Point, Bombay-1, State of Maharashtra, India, a company incorporated in India, "Bottles", September 9, 1971.

Class 10. No. 139088. Cello Plastic Industrial Works, a registered Indian partnership firm carrying on business at Churiwadi, Goregaon East, Bombay-63, Maharashtra, "Sandals", October 15, 1971.

Class 13. Nos. 139180 and 139181. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay 13, Maharashtra, Nationality-Indian Company, "Textile goods", November 19, 1971.

Class 13. Nos. 139246 to 139251. The Khatau Makanji Spg. & Wvg. Co., Ltd., Laxmi Building 6, Ballard Road, Bombay-1, Indian Company, "Textile piecegoods", November 29, 1971.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks